

Amendments to the Specification:

On page 1, after the title, insert the following:

CROSS-REFERENCE TO RELATED APPLICATION

This application is the U.S. national phase of PCT Appln. No. PCT/EP2004/014370 filed December 16, 2004, which claims priority to German application 103 60 469.3 filed December 22, 2003.

BACKGROUND OF THE INVENTION

1. Field of the Invention

On page 1, before the paragraph beginning on line 8, please add the following:

2. Description of the Related Art

On page 2, after line 2, please insert the following heading:

SUMMARY OF THE INVENTION

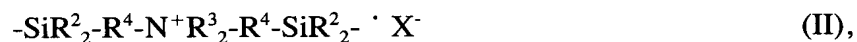
On page 2, before line 9 , please insert the following heading:

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Please amend the paragraph beginning on page 2, at line 16 as shown below:

~~Particularly~~ Most preferably, the materials according to the invention are those containing
(A) organosilicon compound(s) having at least two condensable groups,

(B) organosilicon compound(s) having at least one unit of the formula



in which

R^2 may be identical or different and has a meaning mentioned below for R,

R^3 may be identical or different and is a monovalent, optionally substituted hydrocarbon radical or may be part of a bridging alkylene radical,

X^- is an organic or inorganic anion,

R^4 is a divalent, optionally substituted hydrocarbon radical which may be interrupted by heteroatoms, and

optionally

(C) a crosslinking agent.

Please amend the paragraph beginning on page 3, at line 6 as shown below:

The condensable groups which ~~may have~~ the organosilicon compounds may have, and which ~~are used and~~ participate in the crosslinking reaction may be any desired groups, such as hydroxyl, acetoxy, oximato and organyloxy groups, in particular alkoxy radicals[[,]] such as ethoxy radicals, alkoxyethoxy radicals, and methoxy radicals.

Please amend the paragraph beginning on page 3, at line 34 as shown below:

The organosilicon compounds (A) used according to the invention are preferably those containing units of the formula



in which,

R may be identical or different and are optionally substituted hydrocarbon radicals which may be interrupted by oxygen atoms,

R¹ may be identical or different and are a hydrogen atom or monovalent, optionally substituted hydrocarbon radicals which may be interrupted by oxygen atoms,
 Y may be identical or different and are a halogen atom or pseudohalogen radical, Si-N-bonded amine radicals, amide radicals, oxime radicals, aminoxy radicals and acyloxy radicals,
 a is 0, 1, 2 or 3, preferably 1 or 2,
 b is 0, 1, 2 or 3, preferably 0, 1 or 2, ~~particularly~~ more preferably 0, and
 c is 0, 1, 2 or 3, preferably 0 or 1, ~~particularly~~ more preferably 0,
 with the proviso that the sum of a+b+c is less than or equal to 4 and at least two condensable radicals (OR¹) are present per molecule.

Please amend the paragraph beginning on page 4, at line 25 as shown below:

Radical R is preferably a monovalent hydrocarbon radical having 1 to 18 carbon atoms which is optionally substituted by halogen atoms, amino groups, ether groups, ester groups, epoxy groups, mercapto groups, cyano groups or (poly)glycol radicals, the latter being composed of oxyethylene and/or oxypropylene units, ~~particularly~~ more preferably alkyl radicals having 1 to 12 carbon atoms, in particular the methyl radical. Radical R can, however, also be a divalent radical which links, for example, two silyl groups to one another.

Please amend the paragraph beginning on page 5, at line 1 as shown below:

Examples of radicals R are alkyl radicals[[,]] such as the methyl, ethyl, n-propyl, isopropyl, 1-n-butyl, 2-n-butyl, isobutyl, tert-butyl, n-pentyl, isopentyl, neopentyl [[or]] and tert-pentyl radicals; hexyl radicals[[,]] such as the n-hexyl radical; heptyl radicals[[,]] such as the n-heptyl radical; octyl radicals[[,]] such as the n-octyl radical[[,]] and isooctyl radicals[[,]] such as the 2,2,4-trimethylpentyl radical; nonyl radicals[[,]] such as the n-nonyl radical; decyl radicals[[,]] such as the n-decyl radical; dodecyl radicals[[,]] such as the n-dodecyl radical; octadecyl radicals[[,]] such as the n-octadecyl radical; cycloalkyl radicals[[,]] such as the cyclopentyl, cyclohexyl, [[and]] cycloheptyl, ~~radical~~ and methylcyclohexyl radicals; alkenyl radicals[[,]] such as the vinyl, 1-propenyl and 2-propenyl radicals; aryl radicals[[,]] such as the phenyl, naphthyl, anthryl and phenanthryl radicals; alkaryl radicals[[,]] such as the o-, m- and p-tolyl

radicals, xylyl radicals and ethylphenyl radicals; and aralkyl radicals[[,]] such as the benzyl radical, the α - and the β -phenylethyl radicals.

Please amend the paragraph beginning on page 5, at line 22 as shown below:

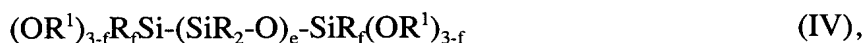
Examples of substituted radicals R are the methoxyethyl, ethoxyethyl and ethoxyethoxyethyl radicals.

Please amend the paragraph beginning on page 5 at line 33 as shown below:

Radical R¹ is preferably a hydrogen atom or an alkyl radical having 1 to 12 carbon atoms, ~~particularly~~ more preferably a hydrogen atom or methyl or ethyl radical, in particular a hydrogen atom.

Please amend the paragraph beginning on page 6 at line 5 as shown below:

Organosilicon compounds (A) used according to the invention are ~~particularly~~ more preferably those of the formula



in which

R and R¹ have the abovementioned meanings,

e is from 30 to 3000 and

f is 1 or 2.

f is preferably 2 if R¹ has the meaning of a hydrogen atom, and f is 1 if R¹ has a meaning other than a hydrogen atom.

Examples of organosilicon compounds (A) are

$(\text{MEO})_2\text{MeSiO}[\text{SiMe}_2\text{O}]_{200-2000}\text{SiMe}(\text{OMe})_2,$
 $(\text{HO})\text{Me}_2\text{SiO}[\text{SiMe}_2\text{O}]_{200-2000}\text{SiMe}_2(\text{OH}),$
 $(\text{EtO})_2\text{MeSiO}[\text{SiMe}_2\text{O}]_{200-2000}\text{SiMe}(\text{OEt})_2,$
 $(\text{HO})\text{MeViSiO}[\text{SiMe}_2\text{O}]_{200-2000}\text{SiMeVi}(\text{OH}),$
 $(\text{MeO})_2\text{ViSiO}[\text{SiMe}_2\text{O}]_{200-2000}\text{SiVi}(\text{OMe})_2$ and
 $(\text{EtO})_2\text{ViSiO}[\text{SiMe}_2\text{O}]_{200-2000}\text{SiVi}(\text{OEt})_2,$

Me being a methyl radical, Et being an ethyl radical and Vi being a vinyl radical.

Please amend the paragraph beginning on page 6 at line 30 as shown below:

The organosilicon compounds (A) used according to the invention preferably have a viscosity of preferably from 100 to 10^6 mPa.s, particularly more preferably from 10^3 to 350 000 mPa.s, in each case at 25°C.

Please amend the paragraph beginning on page 7 at line 5 as shown below:

Radical R^2 is preferably a hydrocarbon radical having 1 to 18 carbon atoms which is optionally substituted by halogen atoms, amino groups, ether groups, ester groups, epoxy groups, mercapto groups, cyano groups or (poly)glycol radicals, the latter being composed of oxyethylene and/or oxypropylene units, particularly more preferably alkyl radicals having 1 to 12 carbon atoms, in particular the methyl radical.

Please amend the paragraph beginning on page 7 at line 19 as shown below:

Radical R^3 is preferably a hydrocarbon radical having 1 to 8 carbon atoms, particularly more preferably an alkyl radical having 1 to 6 carbon atoms and a benzyl radical. Radical R^3 can, however, also be a divalent radical derived therefrom, so that, for example, two radicals R^3 form a ring with the nitrogen atom.

Please amend the paragraph beginning on page 7 at line 32 as shown below:

Anion X⁻ is ~~particularly~~ more preferably a carboxylate ion and a halide ion, ~~particularly~~ most preferably a chloride ion ~~and~~ or acetate ion.

Please amend the paragraph beginning on page 9 at line 17 as shown below:

~~Particularly~~ More preferably, the organosilicon compounds (B) used according to the invention are polymers of the formula (III) where R⁴ are alkylene radicals having at least 4 carbon atoms and at least one hydroxyl group, $-(CH_2)_3OCH_2-CH(OH)-CH_2-$ and $-(CH_2)_3OCH_2-CH[CH_2(OH)]-$, ~~particularly~~ most preferably $-(CH_2)_3OCH_2-CH(OH)-CH_2-$ and $-(CH_2)_3OCH_2-CH[CH_2(OH)]-$.

Please amend the paragraph beginning on page 11 at line 11 as shown below:

The organosilicon compounds (B) used according to the invention preferably have a viscosity of ~~preferably~~ from 10⁴ to 10⁸ mPa.s, ~~particularly~~ more preferably from 10⁵ to 5·10⁷ mPa.s, in each case at 25°C.

Please amend the paragraph beginning on page 13 at line 10 as shown below:

Examples of radical R⁶ are the examples mentioned above for radical R¹. Radical R⁶ is preferably a hydrogen atom and alkyl radicals, ~~particularly~~ more preferably a hydrogen atom and alkyl radicals having 1 to 4 carbon atoms, in particular ~~[[a]]~~ hydrogen ~~[[atom]]~~ and the methyl and ~~[[the]]~~ ethyl radicals.

Please amend the paragraph beginning on page 13 at line 27 as shown below:

The crosslinking agents (C) optionally used in the materials according to the invention are ~~particularly~~ more preferably tetramethoxysilane, tetraethoxysilane, tetrapropoxysilane, tetrabutoxysilane, methyltrimethoxysilane, methyltriethoxysilane, vinyltrimethoxysilane,

vinyltriethoxysilane, phenyltrimethoxysilane, phenyltriethoxysilane, 3-cyanopropyltrimethoxysilane, 3-cyanopropyltriethoxysilane, 3-(glycidyloxy)propyltriethoxysilane, 1,2-bis(trimethoxysilyl)ethane, 1,2-bis(triethoxysilyl)ethane, 3-aminopropyltrimethoxysilane, 3-(2-aminoethyl)aminopropyltrimethoxysilane, 3-(2-aminoethyl)aminopropylmethyldimethoxysilane, cyclohexylaminomethyltriethoxysilane, methyltriacetoxysilane, ethyltriacetoxysilane, methyltris(methylethylketoximo)silane, vinyltris(methylethylketoximo)silane and partial hydrolysis products of said organosilicon compounds, such as, for example, hexaethoxydisiloxane.

Please amend the paragraph beginning on page 14 at line 17 as shown below:

If the materials according to the invention contain crosslinking agents (C) they do so preferably in amounts of ~~preferably~~ from 0.01 to 20 parts by weight, ~~particularly~~ more preferably from 0.5 to 10 parts by weight, and in particular from 1.0 to 5.0 parts by weight, based in each case on 100 parts by weight of organopolysiloxane (A).

Please amend the paragraph beginning on page 15 at line 8 as shown below:

If the materials according to the invention contain catalyst (D) they do so preferably in amounts of preferably from 0.01 to 3 parts by weight, more preferably from 0.05 to 2 parts by weight, based in each case on 100 parts by weight of constituent (A).

Please amend the paragraph beginning on page 15 at line 22 as shown below:

The materials according to the invention preferably contain plasticizer (E) in amounts of ~~preferably~~ from 0 to 300 parts by weight, ~~particularly~~ more preferably from 10 to 200 parts by weight, and in particular from 20 to 100 parts by weight, based in each case on 100 parts by weight of organopolysiloxane (A).

Please amend the paragraph beginning on page 16 at line 14 as shown below:

The materials according to the invention preferably contain fillers (F) in amounts of ~~preferably~~ from 0 to 300 parts by weight, ~~particularly more~~ preferably from 1 to 200 parts by weight, and in particular from 5 to 200 parts by weight, based in each case on 100 parts by weight of organopolysiloxane (A).

Please amend the paragraph beginning on page 16 at line 31 as shown below:

The materials used according to the invention preferably contain adhesion promoter (G) in amounts of ~~preferably~~ from 0 to 50 parts by weight, ~~particularly more~~ preferably from 1 to 20 parts by weight, and in particular from 1 to 10 parts by weight, based in each case on 100 parts by weight of organopolysiloxane (A).

Please amend the paragraph beginning on page 17 at line 12 as shown below:

The materials according to the invention preferably contain additives (H) in amounts of ~~preferably~~ from 0 to 100 parts by weight, ~~particularly more~~ preferably from 0 to 30 parts by weight, and in particular from 0 to 10 parts by weight, based in each case on 100 parts by weight of organopolysiloxane (A).

Please amend the paragraph beginning on page 17 at line 19 as shown below:

~~Particularly~~ More preferably, the materials according to the invention are those which consist of

- (A) organosilicon compounds containing units of the formula (I),
 - (B) organosilicon compound having at least one unit of the formula (II),
- optionally
- (C) crosslinking agent of the formula (V),
- optionally

- (D) catalyst,
optionally
- (E) plasticizer,
optionally
- (F) fillers,
optionally
- (G) adhesion promoter and
optionally
- (H) additives.

Please amend the paragraph beginning on page 20 at line 23 as shown below:

In a planetary mixer with vacuum equipment, 1400 g of a polydimethylsiloxane having $-\text{OSi}(\text{OCH}_3)_2(\text{CH}_3)$ terminal groups and possessing a viscosity of ~~80-000~~ 80,000 mPa.s are mixed with 600 g of a polydimethylsiloxane having $-\text{OSi}(\text{CH}_3)_3$ terminal groups and a viscosity of 100 mPa.s, 12 g of the polyquaternary polysiloxane whose preparation is described above, 100 g of methyltrimethoxysilane, 2.5 g of octylphosphonic acid and 18 g of 3-aminopropyltrimethoxysilane in the absence of water. 200 g of pyrogenic hydrophilic silica having a specific surface area of 150 m²/g are then mixed in. After the mixture is homogeneous and has been freed from included air by evacuation, 10 g of a tin catalyst (reaction product which was prepared from 4 parts of tetraethoxysilane with 2.2 parts of dibutyltin diacetate) are also mixed in. After further homogenization in vacuo, the mixture is introduced into moisture-tight containers.

Please amend the paragraph beginning on page 21 at line 23 as shown below:

Example 2

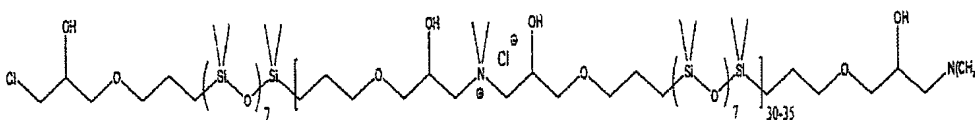
1400 g of an α,ω -dihydroxypolydimethylsiloxane having a viscosity of ~~80-000~~ 80,000 mPa.s, 12 g of the polyquaternary polysiloxane whose preparation is described in example 1, 300 g of a polydimethylsiloxane having $-\text{OSi}(\text{CH}_3)_3$ terminal groups and a viscosity of 100 mPa.s, 300 g of a hydrocarbon mixture having a kinematic viscosity of 6.2 mm²/s (at 40°C), a

viscosity-density constant (VDC) of 0.79 and a boiling range of from 300°C to 370°C (carbon distribution: 62% of paraffinic, 38% of naphthenic and 0.03% of aromatic carbon atoms), 90 g of ethyltriacetoxysilane and 190 g of a pyrogenic hydrophilic silica having a specific surface area of 150 m²/g are homogeneously mixed in a planetary mixer in vacuo. 0.5 g of dibutyltin diacetate was then added and homogenization was effected again for 5 minutes.

Please amend the paragraph beginning on page 22 at line 31 as shown below:

Example 4

233 g of dimethylammonium chloride were dissolved in 1700 ml of water. 2238 g of a polysiloxane consisting of (3-glycidyloxypropyl)dimethylsilyloxy and dimethylsilyloxy units having on average 8 silicon atoms and an epoxy group content of 2.4 mmol/g are added to the solution, and the mixture is refluxed with thorough stirring. The reaction mixture was stirred for 6 hours at 105-110°C, the reaction batch changing from colorless and turbid to clear yellow. The solvent was then removed in vacuo at 120°C. The reaction product was a dark yellow, highly viscous oil having a viscosity of about 6·10⁶ mPa.s. The 1H-NMR spectroscopic investigation showed the formation of a polyquaternary polysiloxane having on average about 30 to 35 repeating units corresponding to the formula



35 g of the polyquaternary polysiloxane thus prepared, 1400 g of an α,ω -dihydroxypolydimethylsiloxane having a viscosity of ~~80-000~~ 80,000 mPa.s, 600 g of a polydimethylsiloxane having $-\text{OSi}(\text{CH}_3)_3$ terminal groups and a viscosity of 100 mPa.s, 90 g of ethyltriacetoxysilane and 190 g of a pyrogenic hydrophilic silica having a specific surface area of 150 m²/g were homogeneously mixed in a planetary mixer in vacuo. 0.5 g of dibutyltin diacetate was then added and homogenization was effected again for 5 minutes.